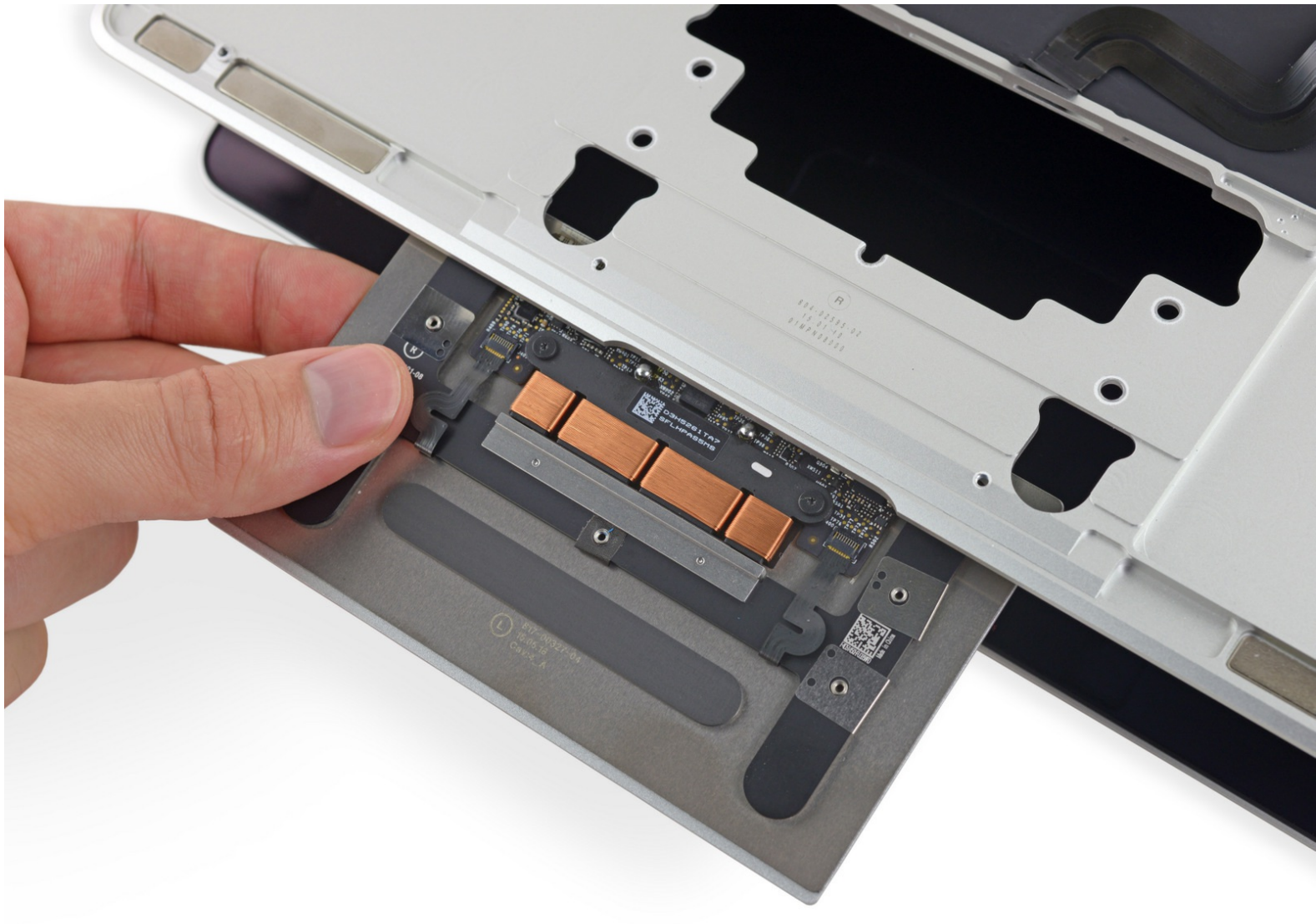




Retina MacBook 2015 Trackpad Assembly Replacement

Replace the trackpad assembly on the Retina MacBook 2015.

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INTRODUCTION

Use this guide to replace the trackpad assembly in your Retina MacBook 2015. This assembly includes the trackpad and the Haptic Engine.



TOOLS:

- [iPad Battery Isolation Pick](#) (1)
- [P5 Pentalobe Screwdriver Retina MacBook Pro and Air](#) (1)
- [Spudger](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [Tri-point Y00 Screwdriver](#) (1)
- [Tweezers](#) (1)




PARTS:

- [MacBook 12" Retina \(Early 2015\) Trackpad](#) (1)
- [MacBook 12" Retina \(Early 2015\) Trackpad Ribbon Cable](#) (1)
- [MacBook 12" Retina \(Early 2016 Early 2016\) Lower Case Screw Set](#) (1)

Step 1 — Lower Case Assembly



 Before proceeding, power down your MacBook. Close the display and lay it on a soft surface, top-side down.

- Remove the following eight screws securing the lower case:
 - Two 1.8 mm P5 Pentalobe screws
 - Four 2.9 mm P5 Pentalobe screws
 - Two 6.1 mm P5 Pentalobe screws

Step 2



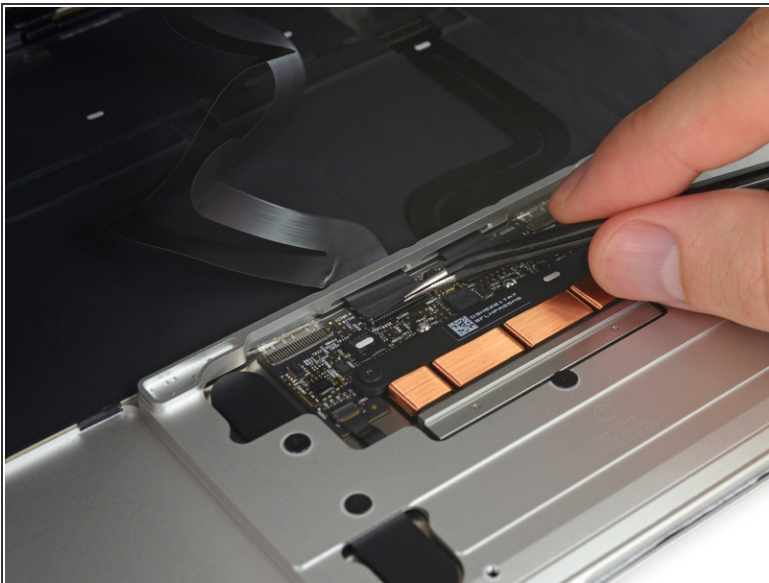
- Wedge your fingers between the upper case and the lower case, starting from the rear of the MacBook between the hinges.
- ⚠ Lift the lower case only slightly to avoid damaging the cables that connect the lower case to the upper case.
- Keeping a firm grip, lift steadily until the lower case separates slightly from the upper case.
- ⓘ You may experience a lot of resistance when lifting the lower case. If necessary, slide a plastic opening tool down the side edges of the lower case to pop the two hidden retaining clips free.

Step 3



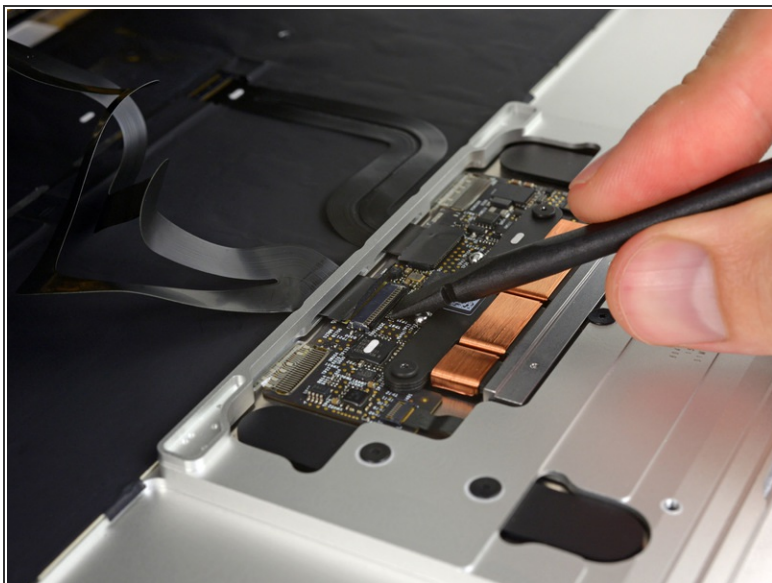
- Rotate the MacBook 180° and gently flip open the lower case from the front.
 - Open the lower case to an angle of about 45°.
- ⚠ Take care not to damage the ribbon cables that still attach the lower case to the MacBook.

Step 4



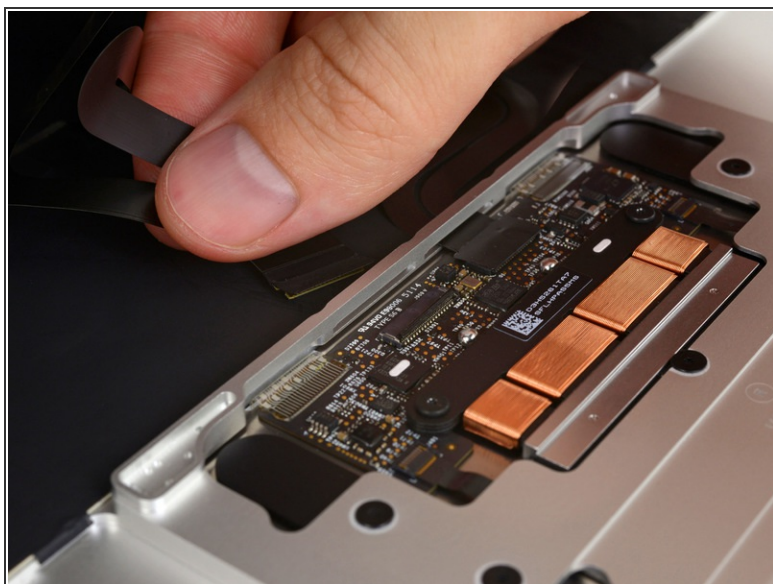
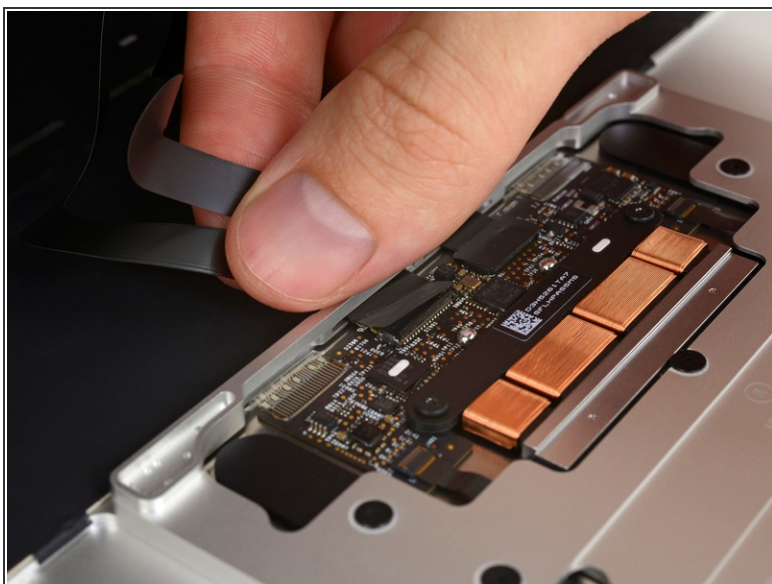
- Use tweezers to peel back the tape covering the trackpad cable ZIF connector.

Step 5



- Use a spudger to carefully flip up the retaining flap on the trackpad cable ZIF connector.

Step 6



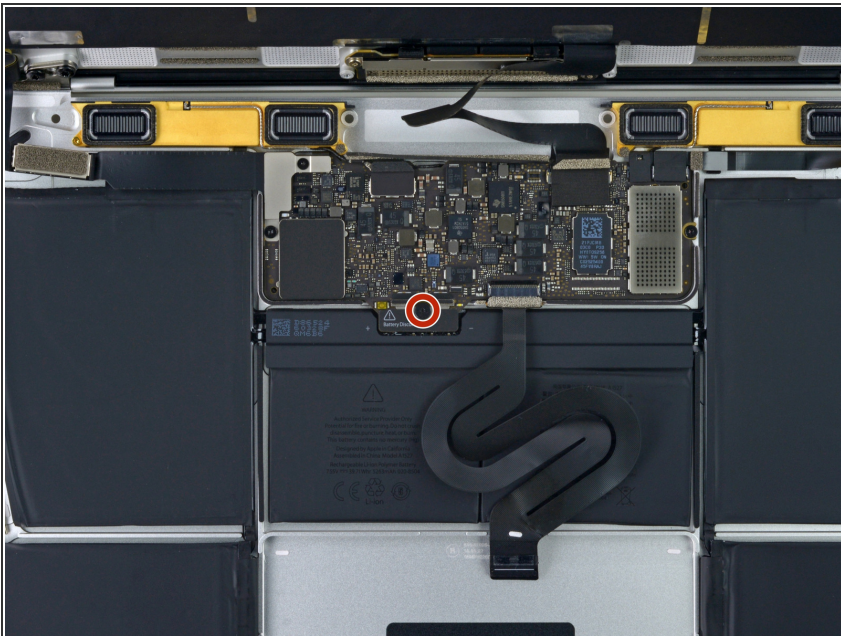
- Disconnect the trackpad ribbon cable from the trackpad by pulling it gently through its slot in the frame.

Step 7



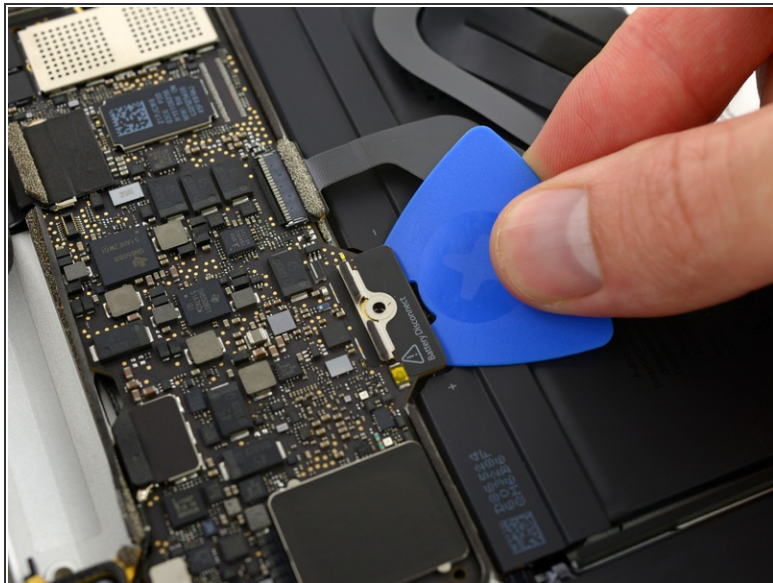
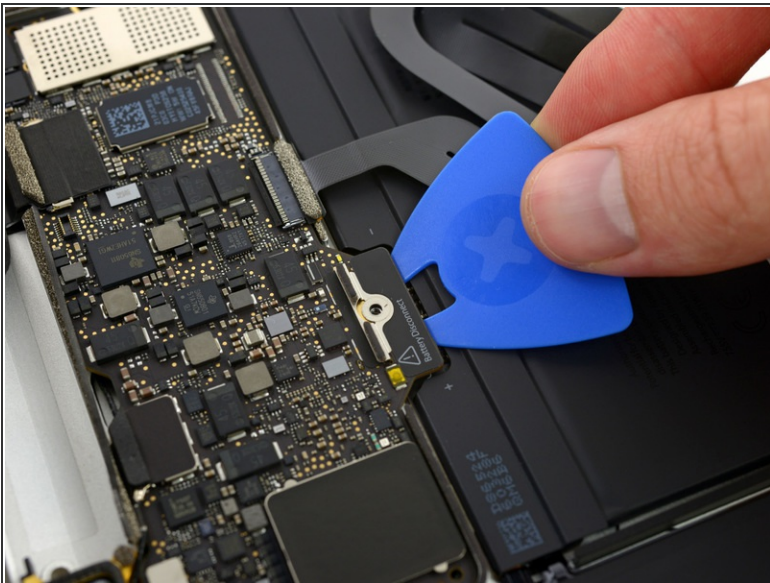
- Carefully turn the MacBook over, so that the lower case lays flat.
- Raise the upper case/display assembly to about a 90-100° angle, or use something to prop it up so you don't have to hold it.
- ❗ It's possible to open the MacBook all the way and lay both sides down flat, but this may put undue strain on the remaining connecting cables.

Step 8



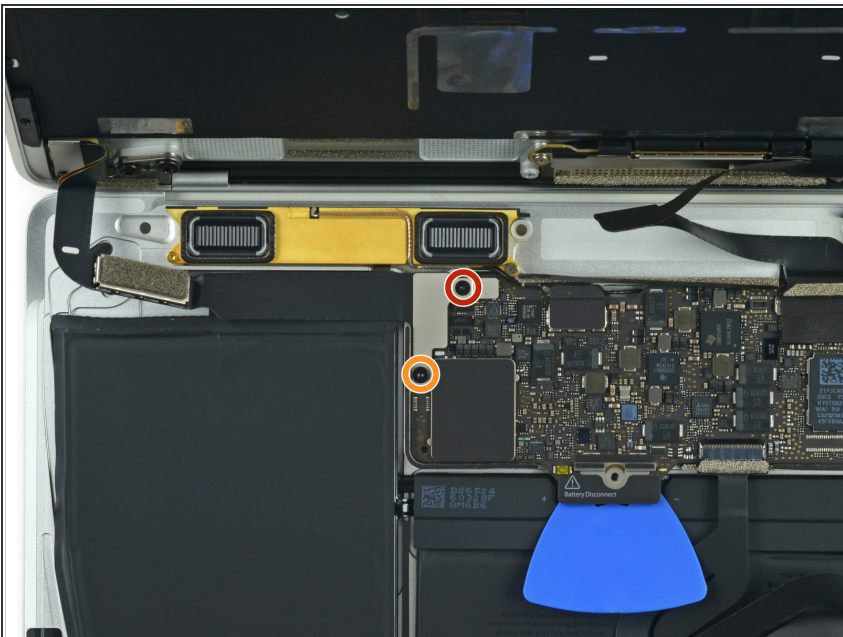
- Remove the single 2.9 mm T5 Torx screw securing the battery connector to the logic board.

Step 9



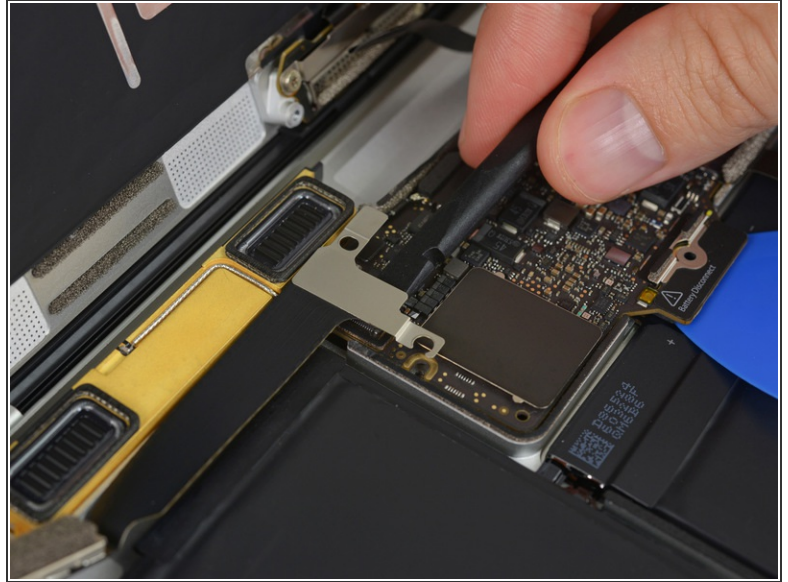
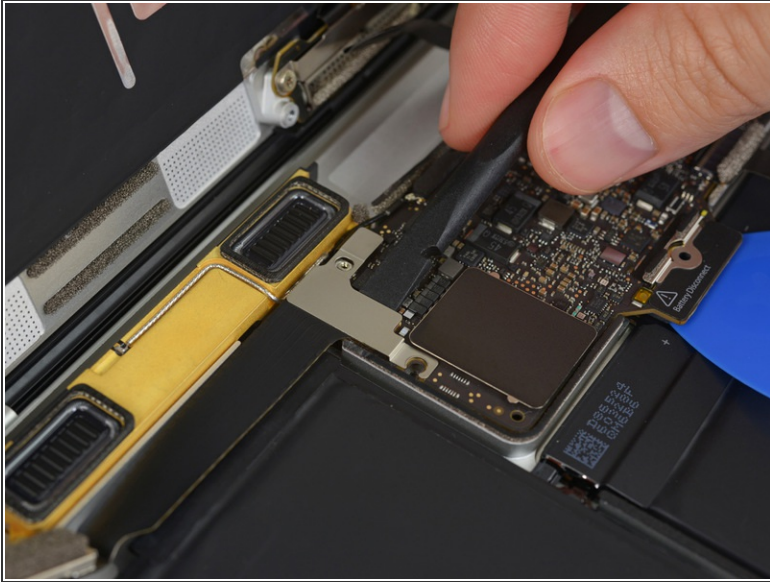
- Disconnect the battery by inserting a [battery isolation pick](#) between the logic board and the battery connector.

Step 10



- Remove the two screws securing the USB-C port cable bracket:
 - 1.1 mm Tri-point Y00 screw
 - 3.5 mm T5 Torx screw

Step 11



- Use the flat end of a spudger to disconnect the USB-C port cable bracket by prying it straight up from the logic board.

Step 12



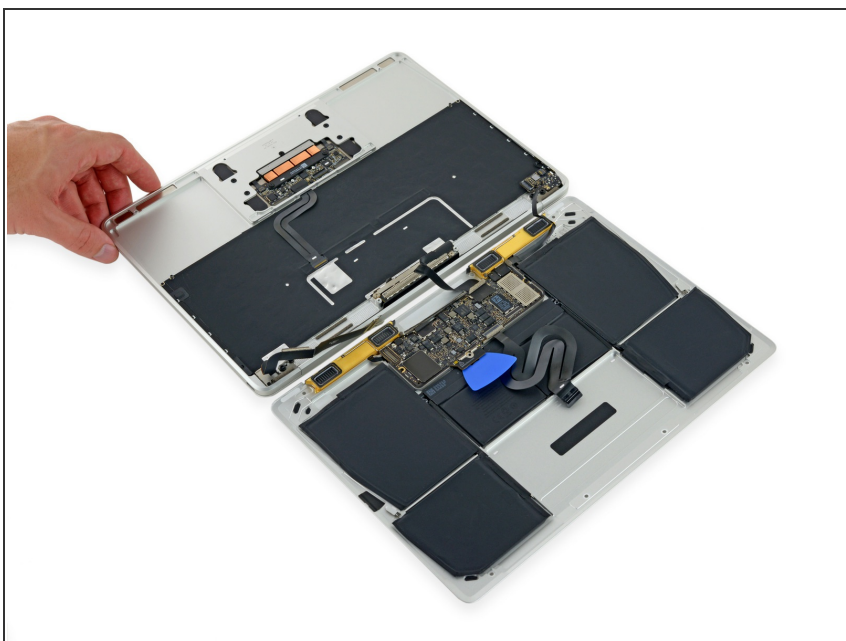
- Use a spudger to flip open the retaining flap on the audio jack board cable ZIF connector.

Step 13



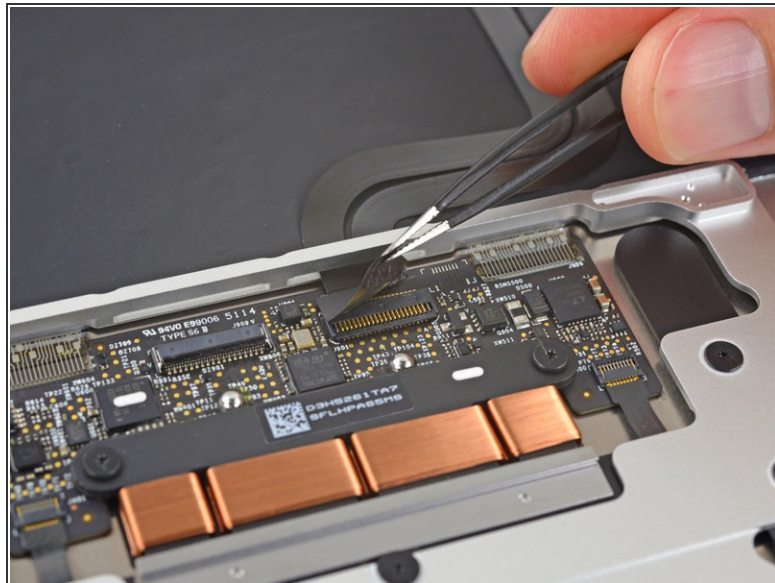
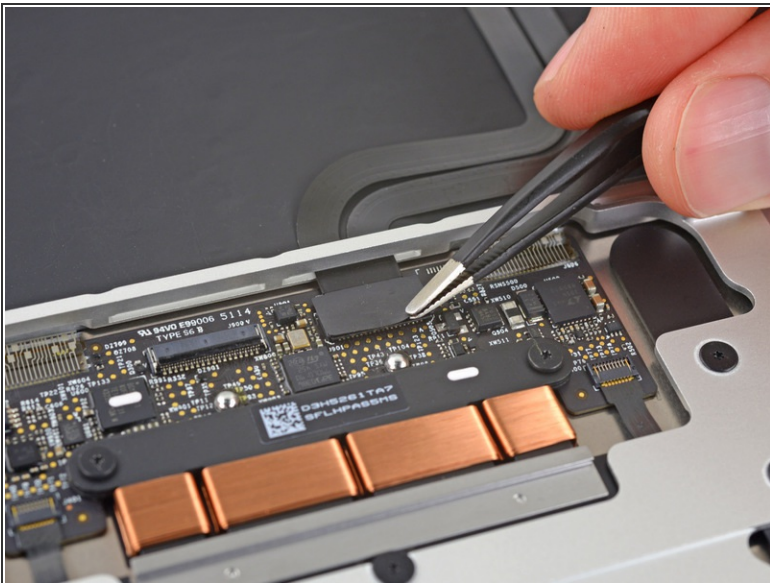
- Disconnect the audio jack board ribbon cable by pulling it straight back out of the ZIF connector.

Step 14



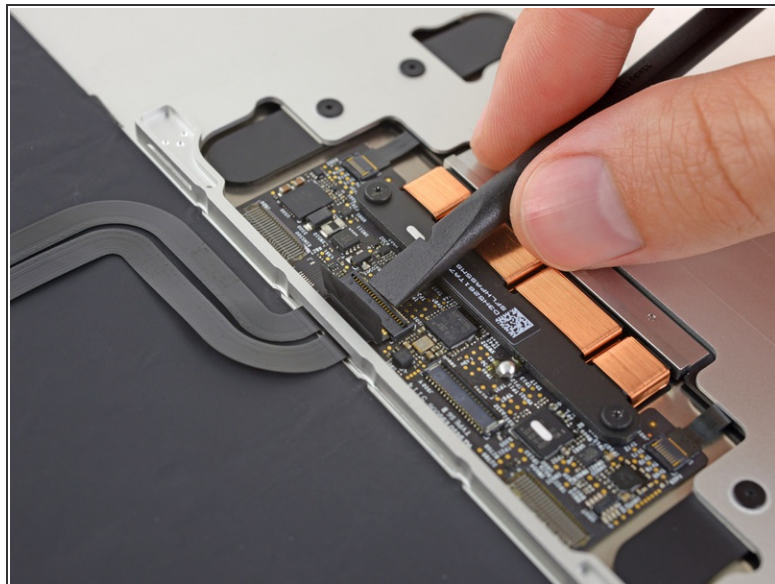
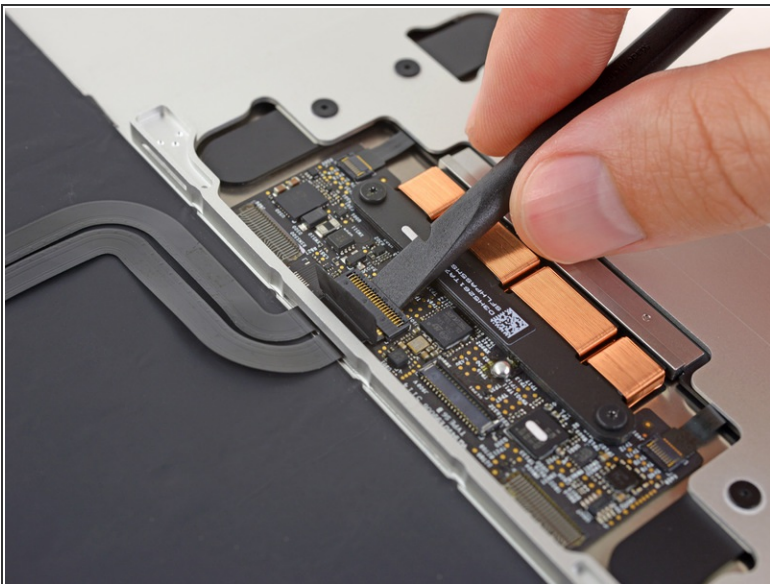
- Open the MacBook the rest of the way and lay the two halves down flat, being careful of the ribbon cables that still connect them.

Step 15 — Trackpad Assembly



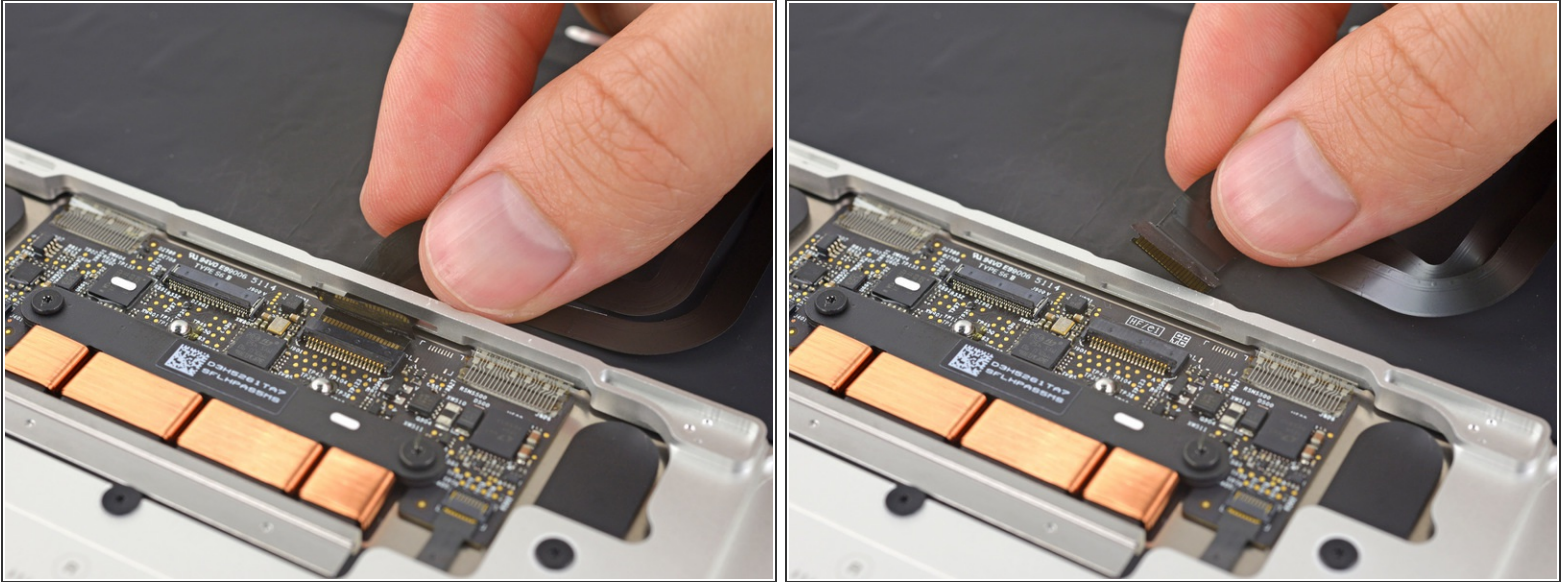
- Use a pair of tweezers to remove the tape covering the keyboard ribbon cable connector on the trackpad.

Step 16



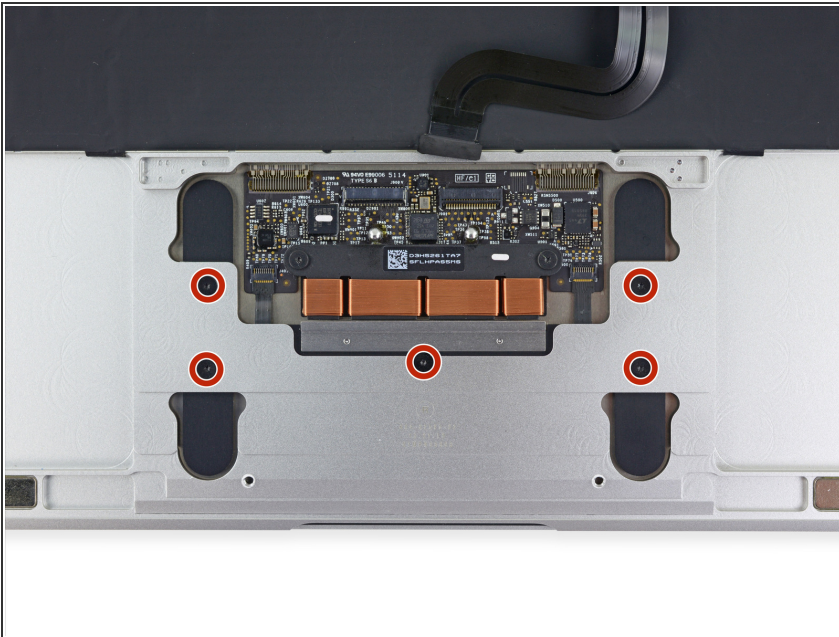
- Using a spudger, flip open the retaining flap on the keyboard ribbon cable ZIF connector.

Step 17



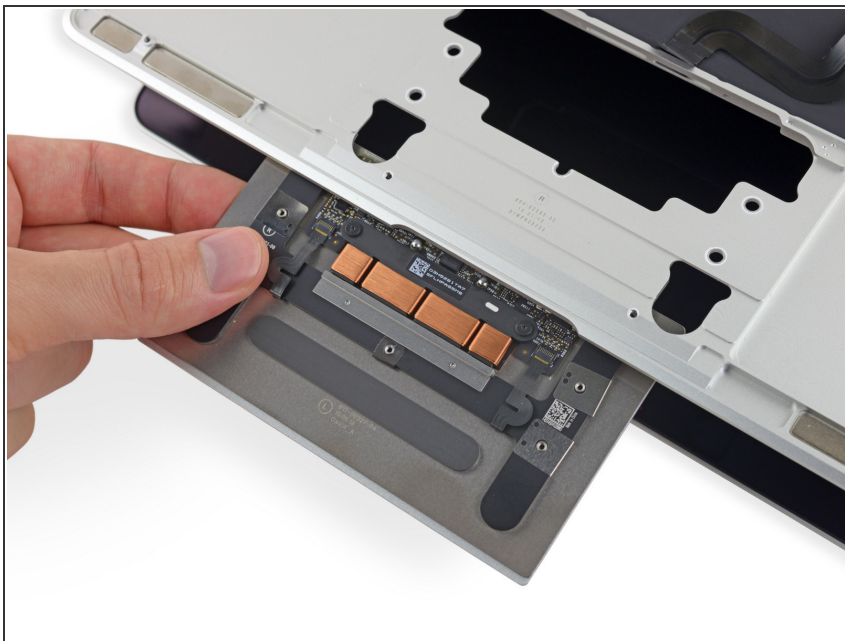
- Gently pull the keyboard ribbon cable out of its slot in the frame.

Step 18



- Remove the five 2.5 mm T4 Torx screws securing the trackpad to the case.
- ⓘ Depending on which bit set you use, a T3 driver may fit better. Try both sizes, and use the largest driver that fits fully into the screw head.

Step 19



- Hinge open the display just slightly to free the trackpad assembly from the upper case, and remove the trackpad assembly.
- ☒ Metal brackets on each side of the trackpad may fall away during removal. Be sure to position them as shown in the photo during reassembly.

To reassemble your device, follow these instructions in reverse order.

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